

POLYPHENYLENE ETHER RESIN COMPOSITION

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Inventor(s): INOUE NORIYUKI; TAKAHASHI HIROSHI; KIHIRA MICHIHARU; YAMAUCHI SHINICHI; MAYUMI JUNJI

Applicant(s): MITSUBISHI PETROCHEMICAL CO

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Abstract of JP 63125569 (A)

PURPOSE: To provide the title compen. having excellent resistance to solvents and oils and moldability, by blending a polyphenylene ether with a specified polymer and a thermoplastic polyester.

CONSTITUTION A polyphenylene ether having epoxy groups at its terminals, obtd. by bringing a polyphenylene ether into contact with a compd. having an epoxy group in the presence of an alkali under heating, is reacted with a polyester to obtain a polymer (B). 10-80%, pref. 20-70% (by weight; the same applies hereinbelow) polyphenylene ether (A) having an intrinsic viscosity of 0.15-0.65 (in chloroform at 30 deg.C) is blended with 80-2%, pref. 70-9% component B, 10-80%, pref. 20-70% thermoplastic polyester (C) having an intrinsic viscosity of not lower than 0.50 in a solvent mixture of phenol and tetrachloroethane (1:1 by weight) at 30 deg.C and optionally, an antioxidant, a plasticizer, a lubricant, etc., (D). The mixture is melt-kneaded at 260-350 deg.C.

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